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## (54) SURGE PROTECTIVE CIRCUIT

(57) Abstract:

supply terminals on highest and amplifying element connected to withstanding voltage lower than that against breakdown by providing a PN PURPOSE: To protect inner circuit breakdown current, flowing through lowest potential sides and receiving a form a current path between power for a circuit to be protected, and an junction element having reverse bias

amplification control current.

supply terminals 1, 3. a positive surge between the power of a transistor Q1, a breakdown circuit 4 can be protected against the collector-base withstand voltage surge voltage to be applied between breakdown even upon application of terminal 1 toward the power supply quickly be fed from the power supply Consequently, a surge current can and emitter of the transistor Q2. current, equal to the base current power supply terminals 1, 3 exceeds multiplied by a current amplification current of a transistor Q2 to conduct current flows from the collector to the CONSTITUTION: When a positive Q2. According to the invention, inner terminal 3 by means of the transistor factor, flows between the collector the transistor Q2 and thereby a breakdown current serves as the base base of the transistor Q1. The

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